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 Data File : BF136158.D
 Acq On : 06 Nov 2023 16:57
 Operator : CG\JU
 Sample : 05253-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

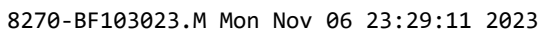
Instrument :
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 ClientSampleId :
 L-1(65FT)(5-10)

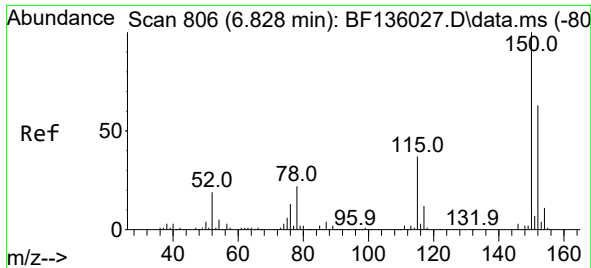
Quant Time: Nov 06 23:28:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	90013	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	352548	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	175851	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	270949	20.000	ng	0.00
76) Chrysene-d12	14.010	240	170560	20.000	ng	0.00
86) Perylene-d12	15.498	264	186919	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	247845	43.268	ng	0.00
7) Phenol-d6	6.445	99	300694	42.132	ng	-0.01
23) Nitrobenzene-d5	7.375	82	189507	32.404	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	76711	40.869	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	389218	35.283	ng	0.00
79) Terphenyl-d14	12.945	244	305204	27.808	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.375	70	25322	6.210	ng	# 77
25) Isophorone	7.375	82	189502	17.164	ng	# 64
31) Naphthalene	8.116	128	193261	11.368	ng	99
32) Benzoic acid	7.881	122	399	5.202	ng	# 31
33) 4-Chloroaniline	8.116	127	24747	3.324	ng	# 29
37) 2-Methylnaphthalene	8.810	142	70987	6.227	ng	98
38) 1-Methylnaphthalene	8.910	142	47807	4.507	ng	97
49) Acenaphthylene	9.716	152	128508	8.336	ng	99
51) 2,6-Dinitrotoluene	9.857	165	25614	10.325	ng	# 29
54) 2,4-Dinitrophenol	10.157	184	190	8.104	ng	# 1
55) Dibenzofuran	10.057	168	33267	2.328	ng	# 86
58) Fluorene	10.404	166	67273	6.287	ng	100
65) 4,6-Dinitro-2-methylph...	10.563	198	64	5.828	ng	# 1
71) Phenanthrene	11.375	178	535252	39.235	ng	99
72) Anthracene	11.422	178	114010	8.156	ng	99
75) Fluoranthene	12.569	202	461588	32.936	ng	98
78) Pyrene	12.804	202	703798	46.803	ng	99
81) Benzo(a)anthracene	14.033	228	301173	26.672	ng	95
83) Chrysene	14.033	228	301173	27.083	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	95755	7.838	ng	# 94
88) Benzo(b)fluoranthene	15.063	252	384449	34.759	ng	98
89) Benzo(k)fluoranthene	15.063	252	384449	35.130	ng	98
90) Benzo(a)pyrene	15.433	252	287656	27.991	ng	98
92) Benzo(g,h,i)perylene	17.704	276	26605	5.089	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

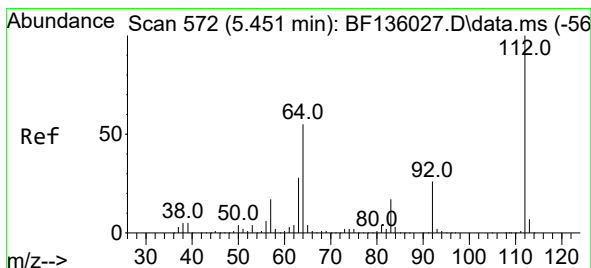
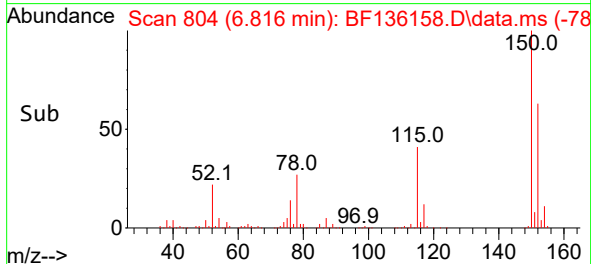
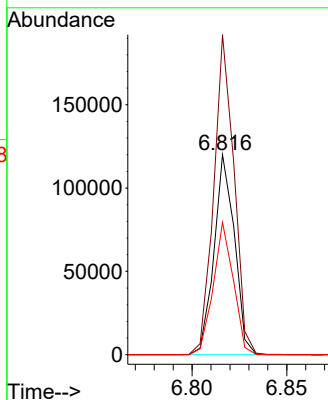
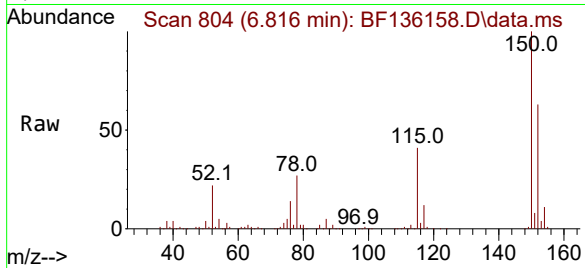




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BF136158.D
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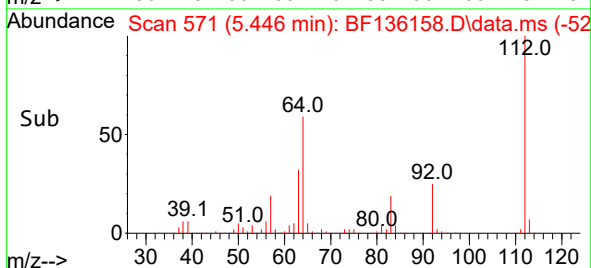
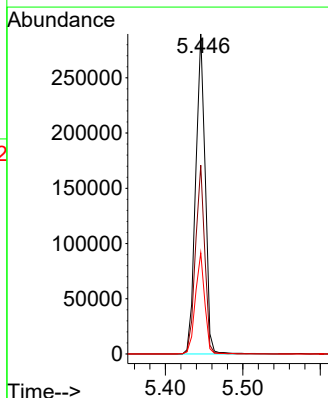
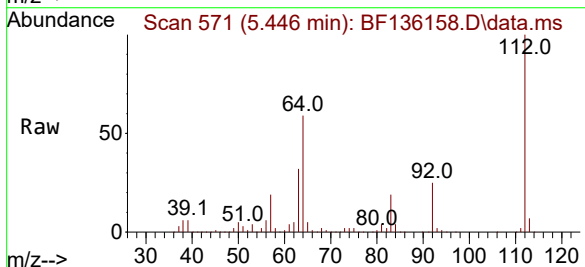
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 ClientSampleId :
 L-1(65FT)(5-10)

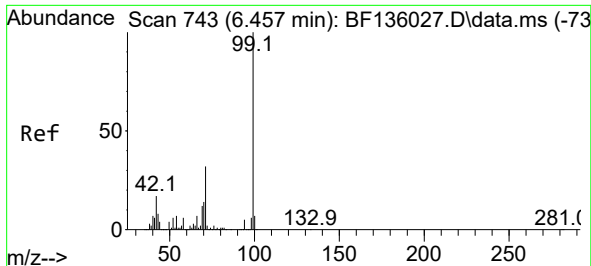
Tgt Ion:152 Resp: 90013
 Ion Ratio Lower Upper
 152 100
 150 160.0 126.4 189.6
 115 66.1 47.0 70.4



#5
 2-Fluorophenol
 Concen: 43.268 ng
 RT: 5.446 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: BF136158.D
 Acq: 06 Nov 2023 16:57

Tgt Ion:112 Resp: 247845
 Ion Ratio Lower Upper
 112 100
 64 59.0 43.9 65.9
 63 31.6 22.4 33.6

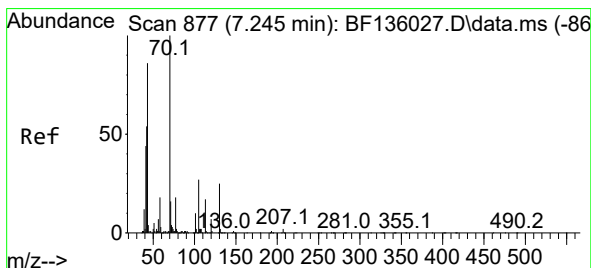
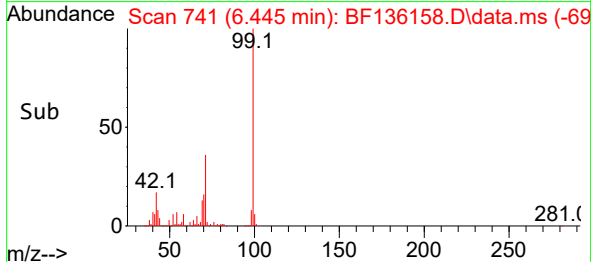
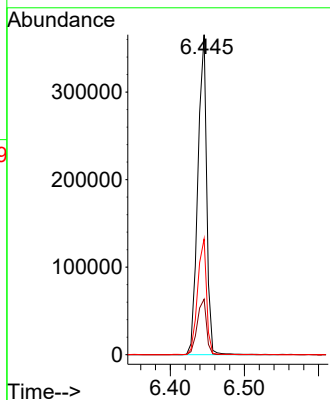
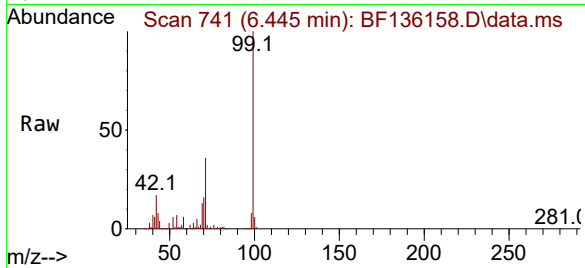




#7
Phenol-d6
Concen: 42.132 ng
RT: 6.445 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

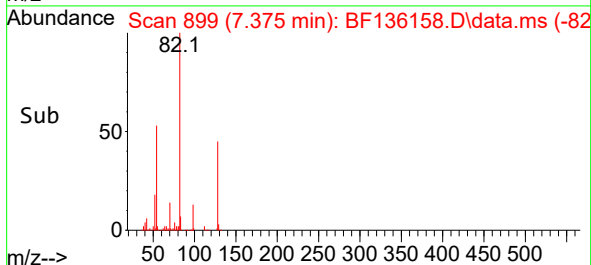
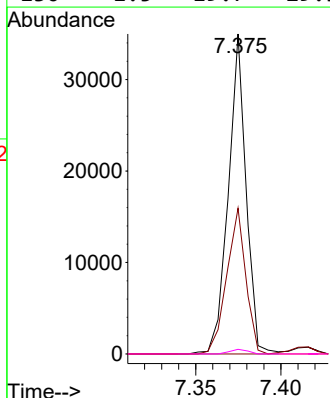
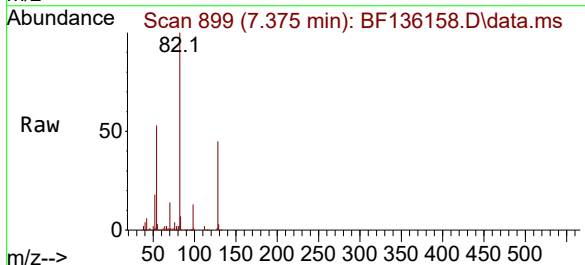
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ClientSampleId :
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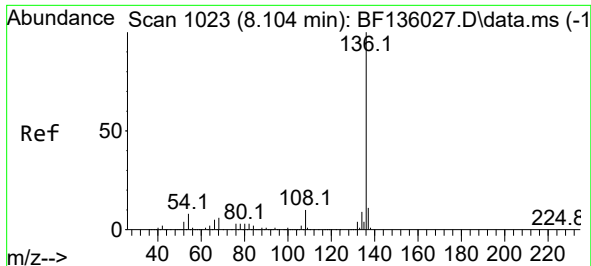
Tgt Ion: 99 Resp: 300694
Ion Ratio Lower Upper
99 100
42 17.4 13.7 20.5
71 36.2 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 6.210 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion: 70 Resp: 25322
Ion Ratio Lower Upper
70 100
42 45.6 43.0 64.4
101 0.0 8.0 12.0#
130 1.5 19.7 29.5#

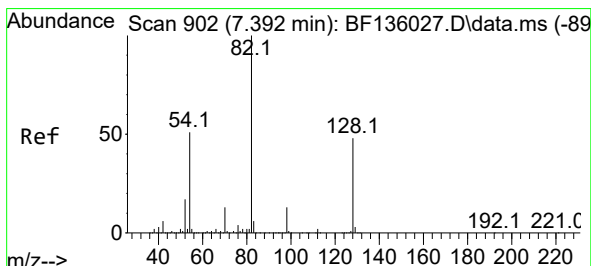
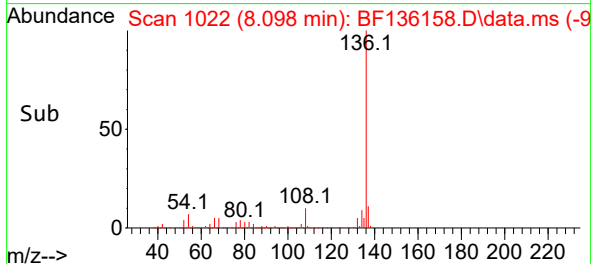
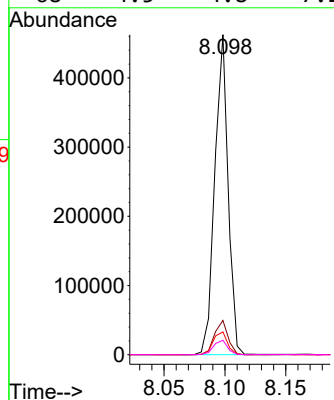
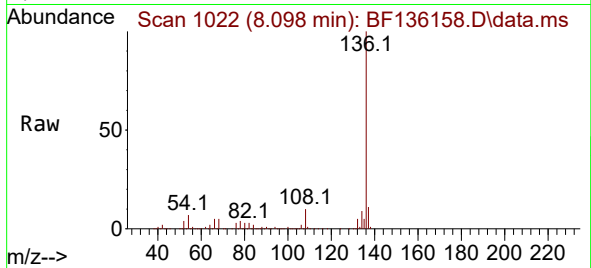




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

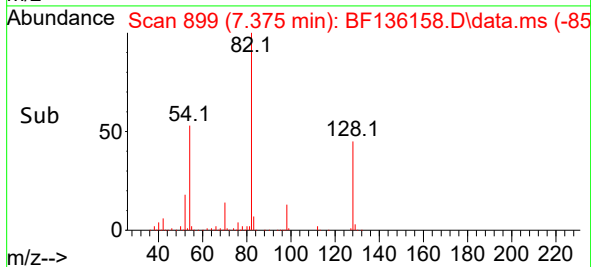
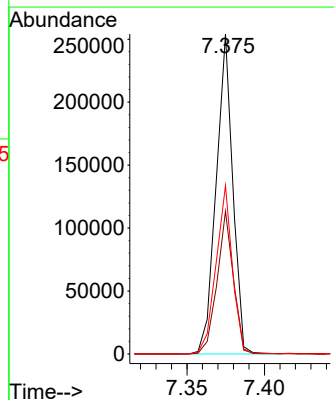
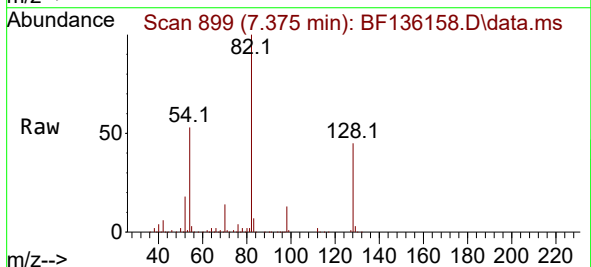
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ClientSampleId :
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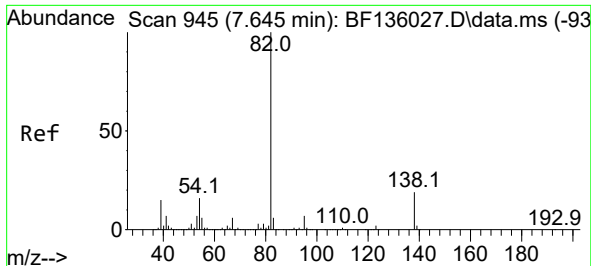
Tgt Ion:136 Resp: 352548
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.1 6.6 9.8
68 4.5 4.8 7.2#



#23
Nitrobenzene-d5
Concen: 32.404 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion: 82 Resp: 189507
Ion Ratio Lower Upper
82 100
128 44.6 38.6 57.8
54 52.6 40.8 61.2

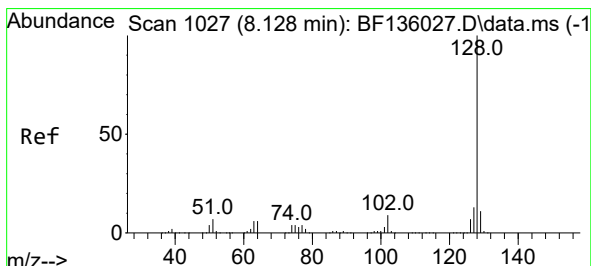
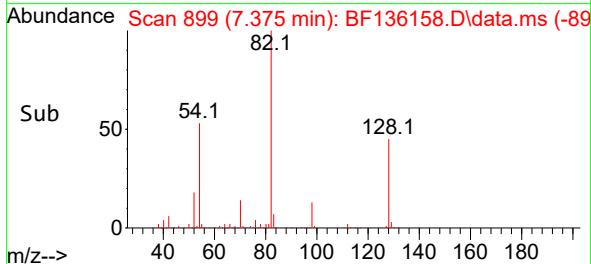
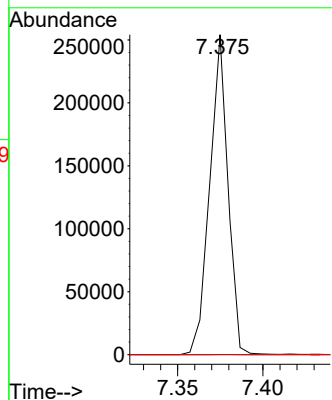
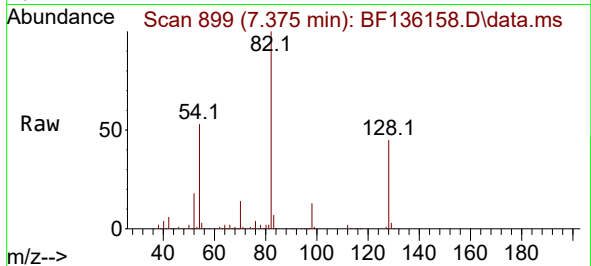




#25
Isophorone
Concen: 17.164 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

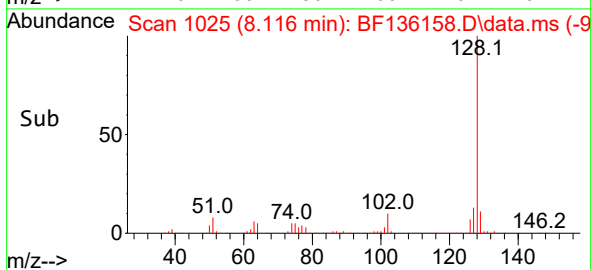
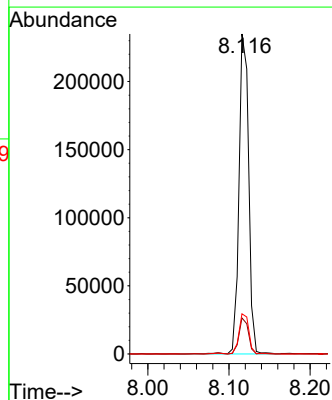
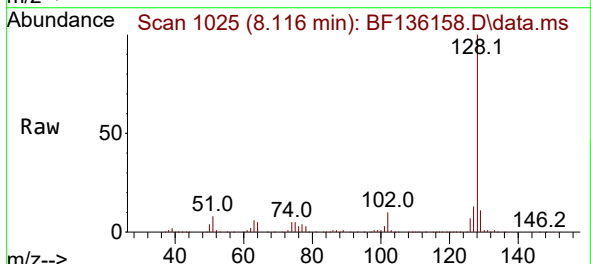
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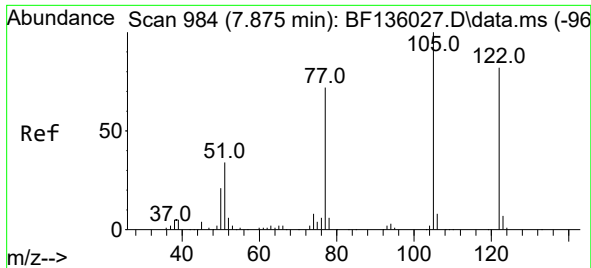
Tgt Ion: 82 Resp: 189502
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 15.3 22.9#



#31
Naphthalene
Concen: 11.368 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion:128 Resp: 193261
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 12.5 10.5 15.7

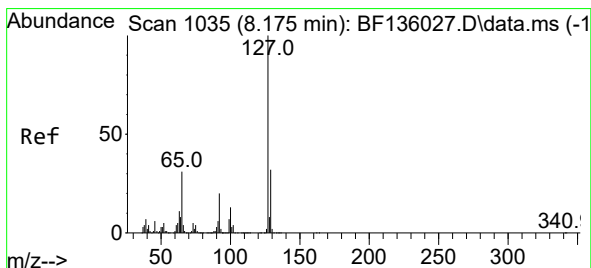
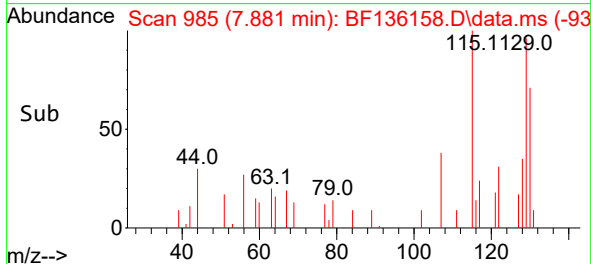
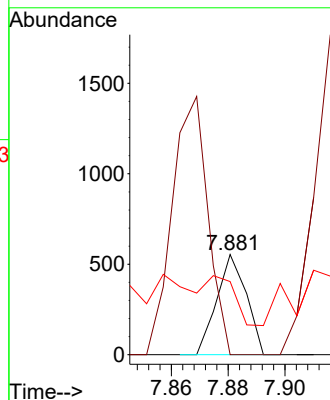
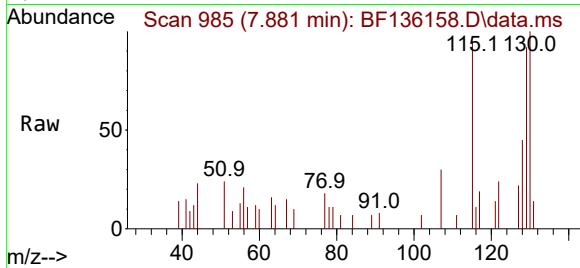




#32
Benzoic acid
Concen: 5.202 ng
RT: 7.881 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

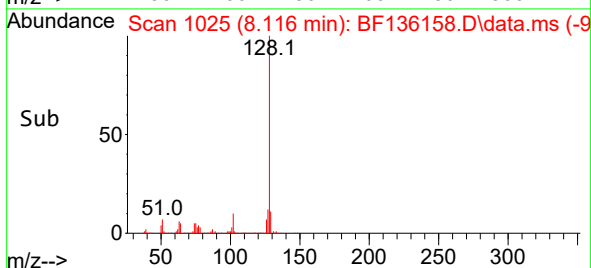
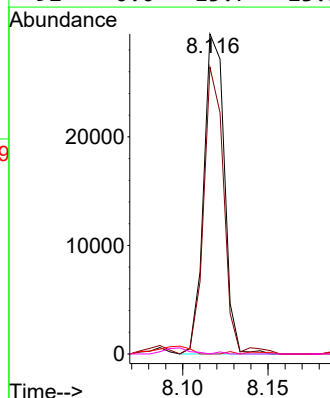
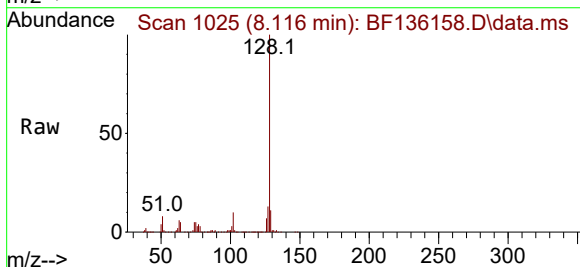
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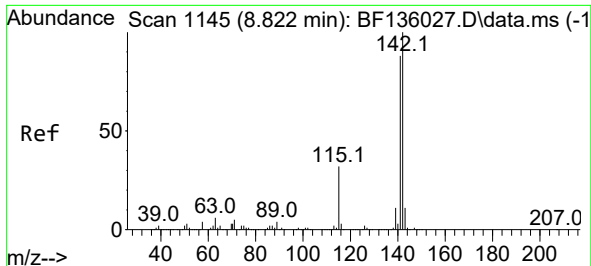
Tgt Ion:122 Resp: 399
Ion Ratio Lower Upper
122 100
105 0.0 99.5 139.5#
77 72.9 66.8 106.8



#33
4-Chloroaniline
Concen: 3.324 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.059 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion:127 Resp: 24747
Ion Ratio Lower Upper
127 100
129 89.6 25.9 38.9#
65 0.0 24.6 37.0#
92 0.0 15.7 23.5#

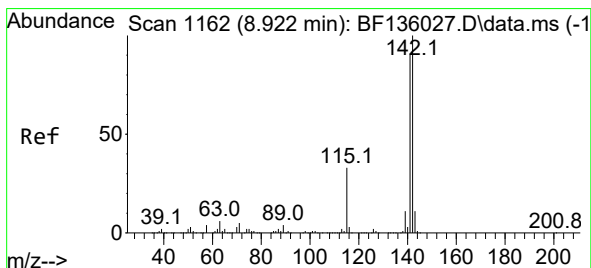
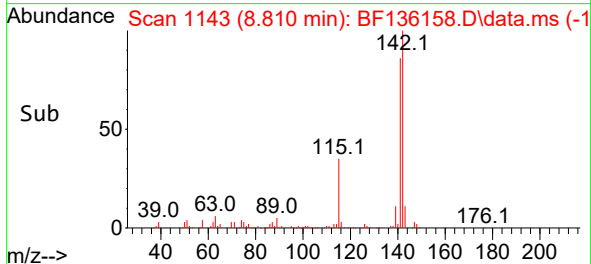
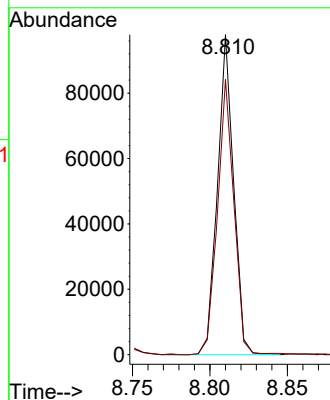
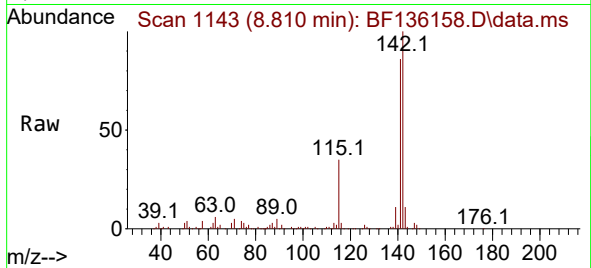




#37
2-Methylnaphthalene
Concen: 6.227 ng
RT: 8.810 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

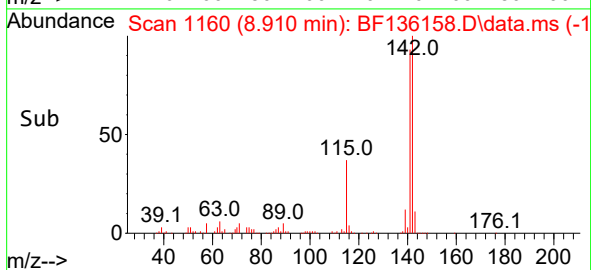
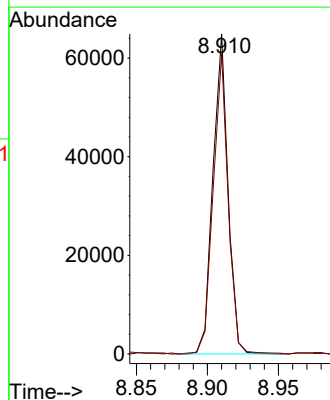
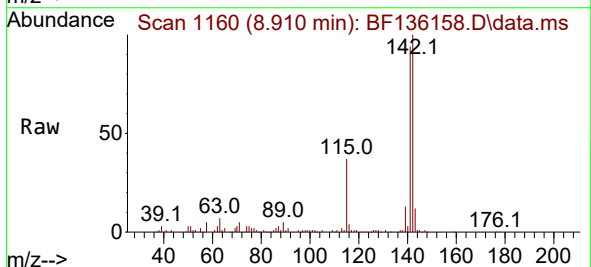
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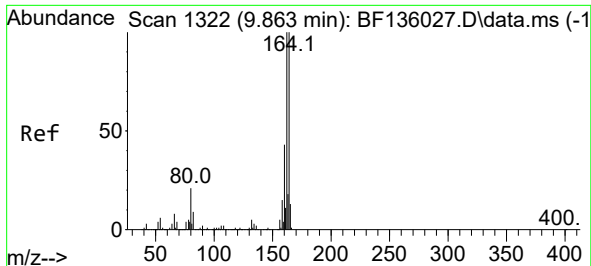
Tgt Ion:142 Resp: 70987
Ion Ratio Lower Upper
142 100
141 86.1 70.4 105.6



#38
1-Methylnaphthalene
Concen: 4.507 ng
RT: 8.910 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion:142 Resp: 47807
Ion Ratio Lower Upper
142 100
141 93.9 72.6 109.0

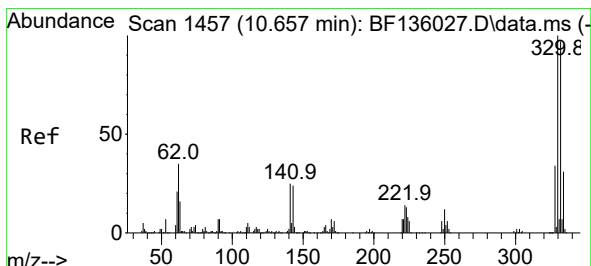
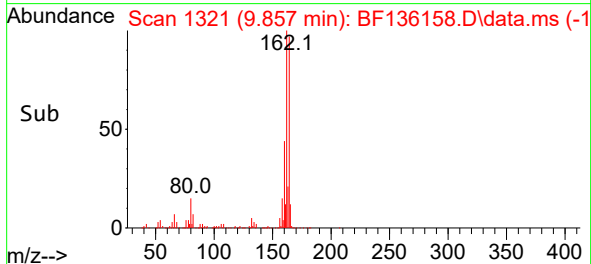
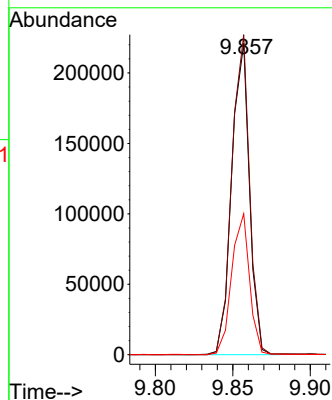
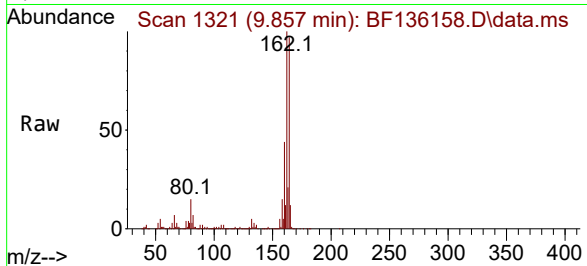




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

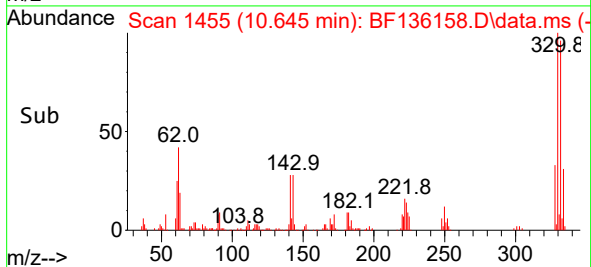
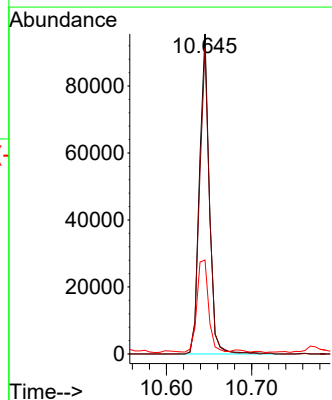
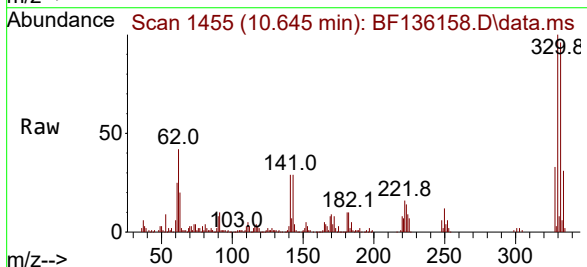
Instrument :
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ClientSampleId :
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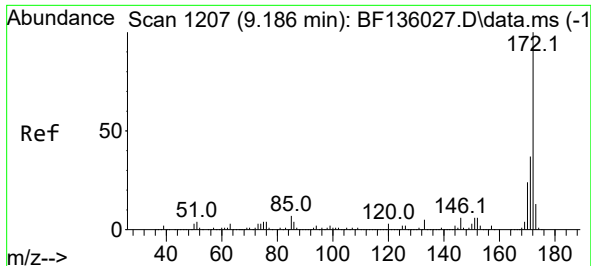
Tgt Ion:164 Resp: 175851
Ion Ratio Lower Upper
164 100
162 102.8 80.1 120.1
160 45.3 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 40.869 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion:330 Resp: 76711
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 33.7 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 35.283 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

L-1(65FT)(5-10)

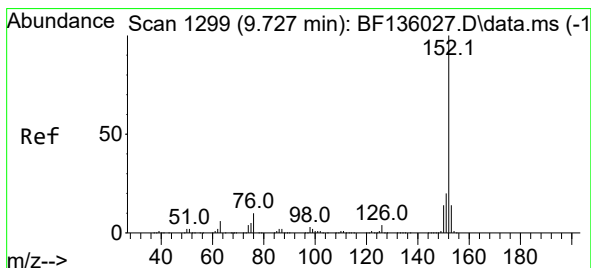
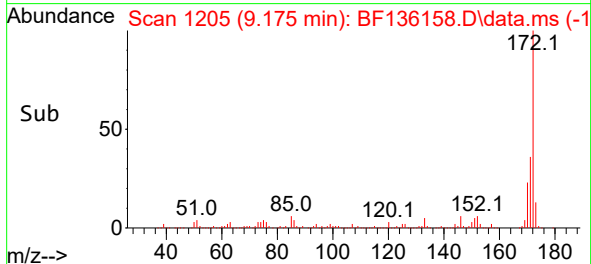
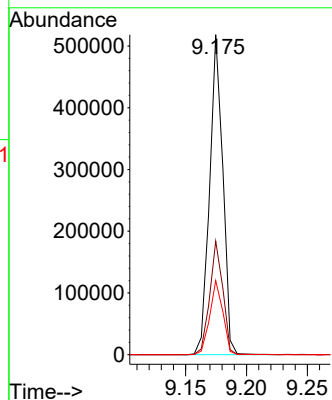
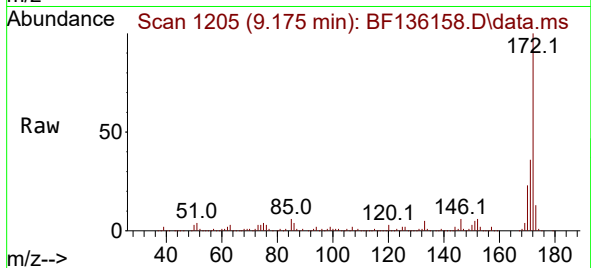
Tgt Ion:172 Resp: 389218

Ion Ratio Lower Upper

172 100

171 35.5 29.4 44.0

170 23.2 19.3 28.9



#49

Acenaphthylene

Concen: 8.336 ng

RT: 9.716 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

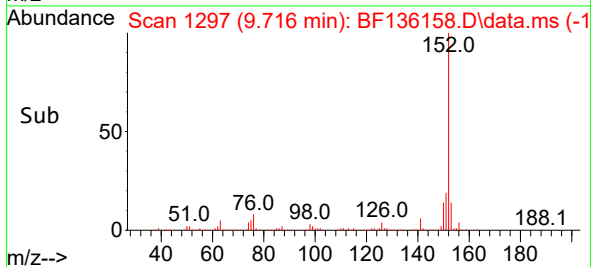
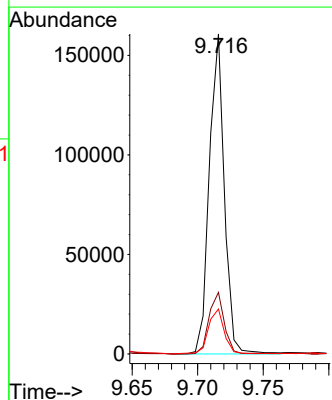
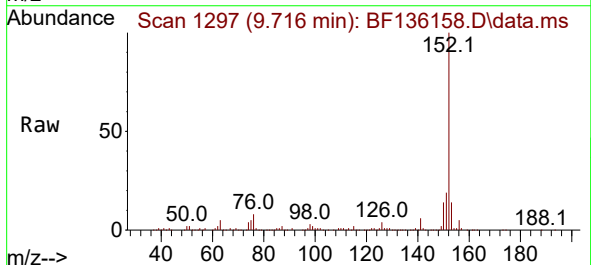
Tgt Ion:152 Resp: 128508

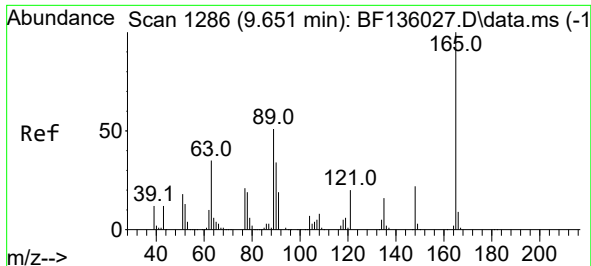
Ion Ratio Lower Upper

152 100

151 19.3 16.1 24.1

153 14.0 11.4 17.2

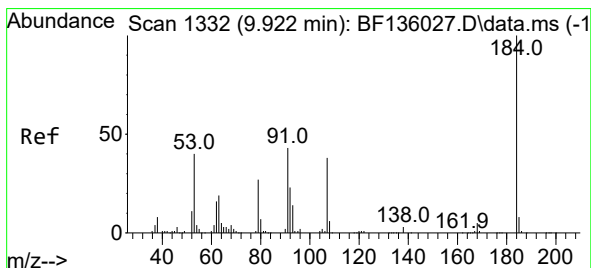
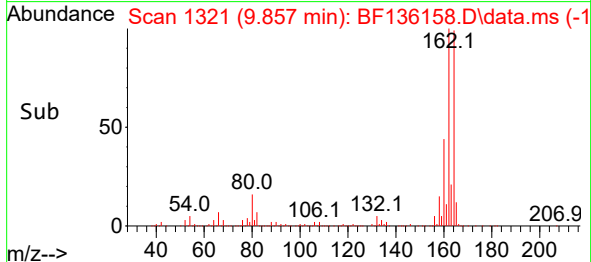
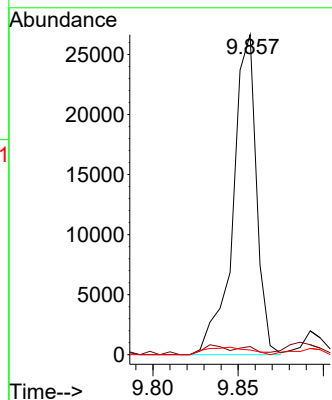
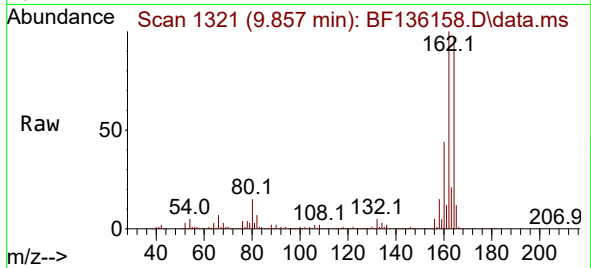




#51
2,6-Dinitrotoluene
Concen: 10.325 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

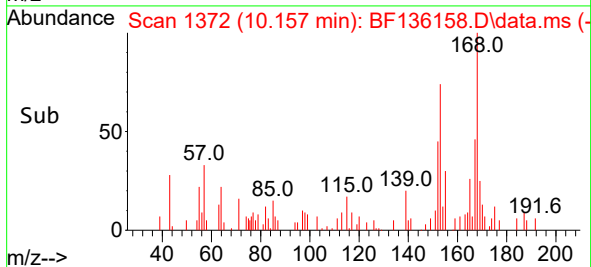
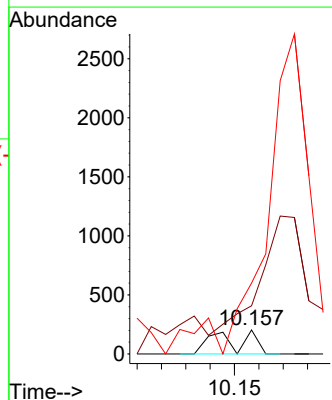
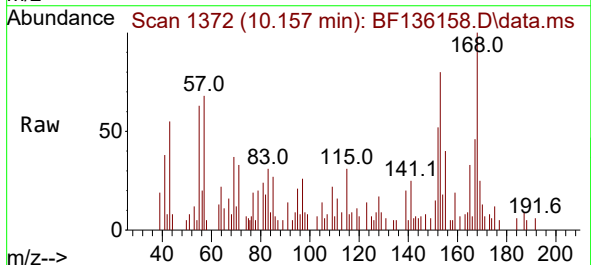
Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

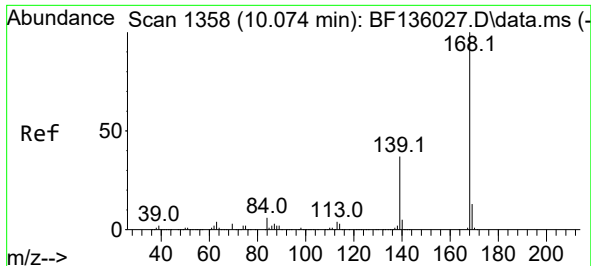
Tgt Ion:165 Resp: 25614
Ion Ratio Lower Upper
165 100
63 2.6 40.8 61.2#
89 1.4 41.1 61.7#



#54
2,4-Dinitrophenol
Concen: 8.104 ng
RT: 10.157 min Scan# 1372
Delta R.T. 0.241 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion:184 Resp: 190
Ion Ratio Lower Upper
184 100
63 201.0 43.7 65.5#
154 295.6 51.2 76.8#

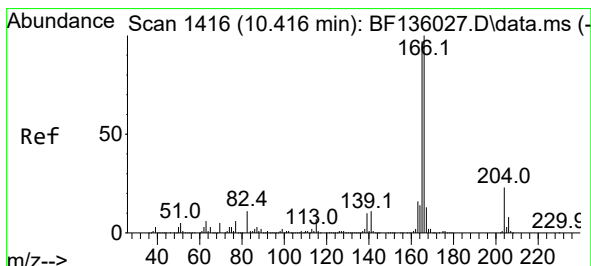
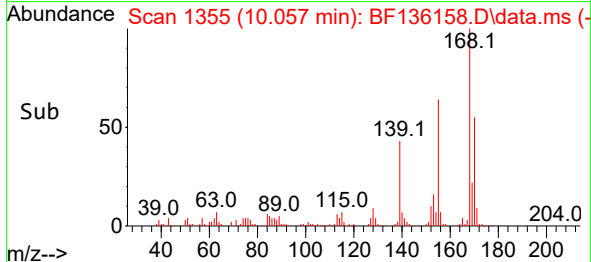
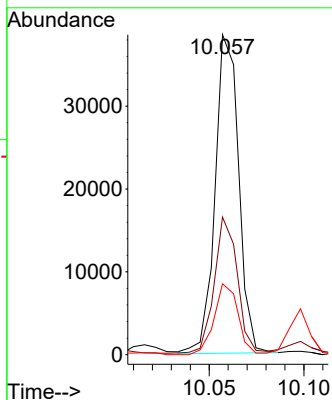
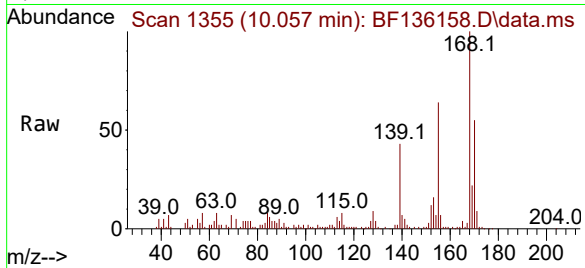




#55
Dibenzenofuran
Concen: 2.328 ng
RT: 10.057 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

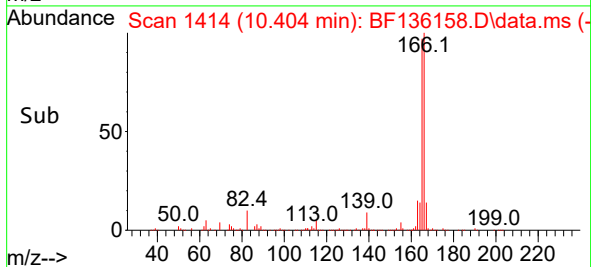
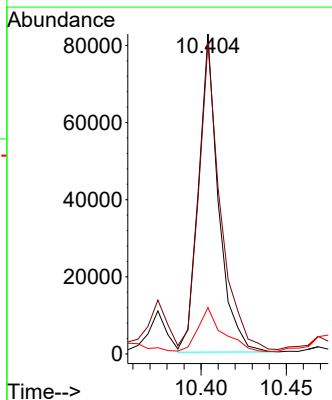
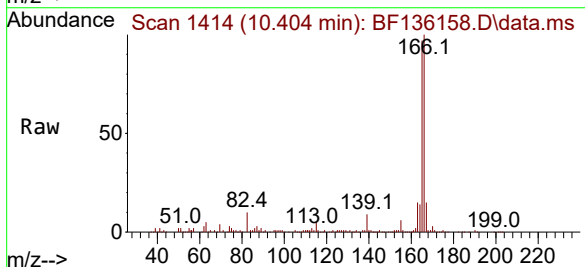
Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

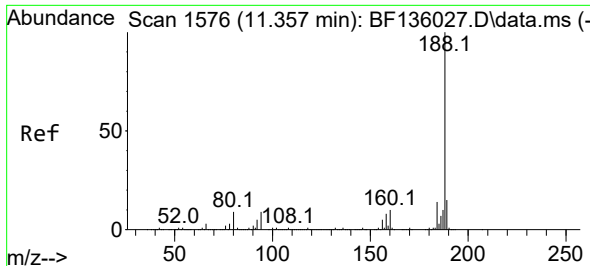
Tgt Ion:168 Resp: 33267
Ion Ratio Lower Upper
168 100
139 43.0 29.4 44.0
169 22.2 10.5 15.7#



#58
Fluorene
Concen: 6.287 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion:166 Resp: 67273
Ion Ratio Lower Upper
166 100
165 97.2 77.7 116.5
167 14.5 10.6 16.0

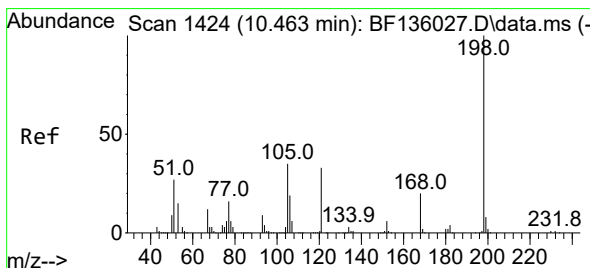
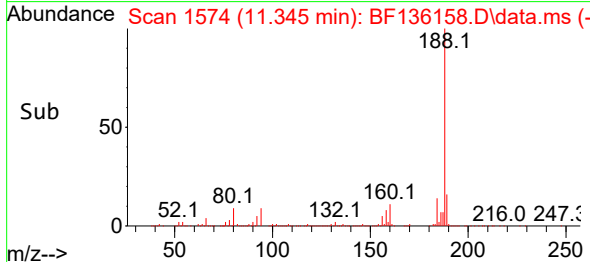
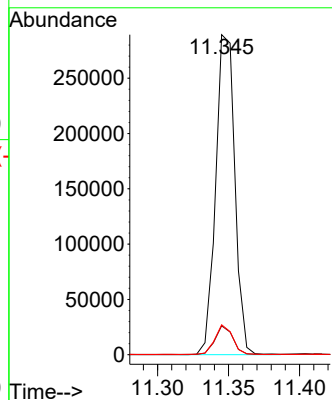
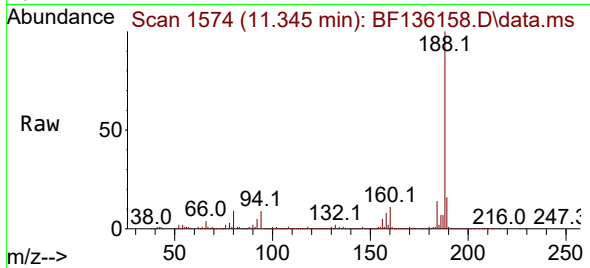




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

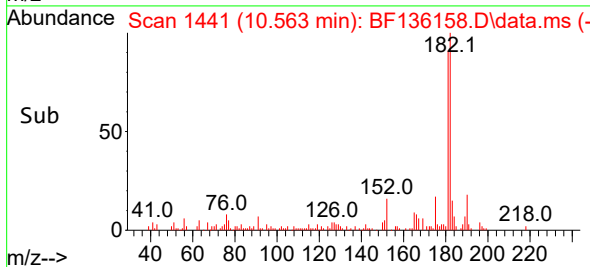
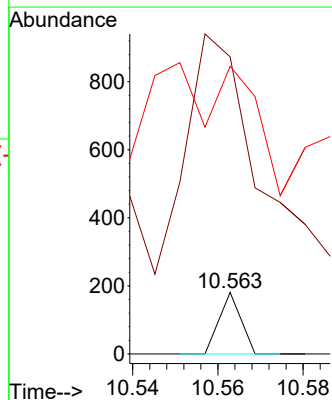
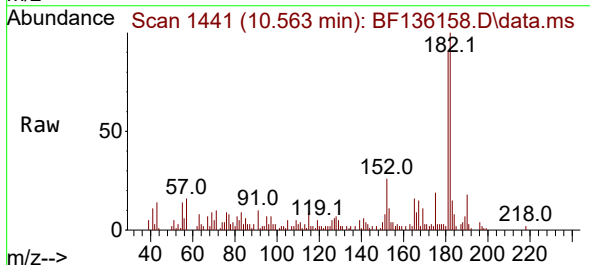
Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

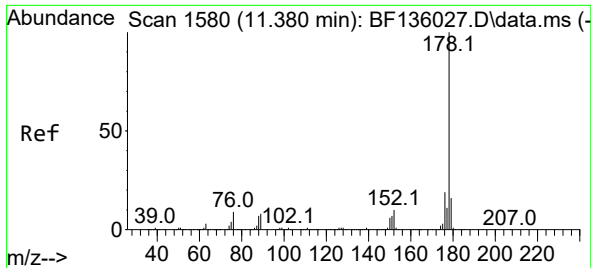
Tgt Ion:188 Resp: 270949
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 9.3 7.4 11.0



#65
4,6-Dinitro-2-methylphenol
Concen: 5.828 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.106 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion:198 Resp: 64
Ion Ratio Lower Upper
198 100
51 482.3 12.9 52.9#
105 466.9 16.0 56.0#

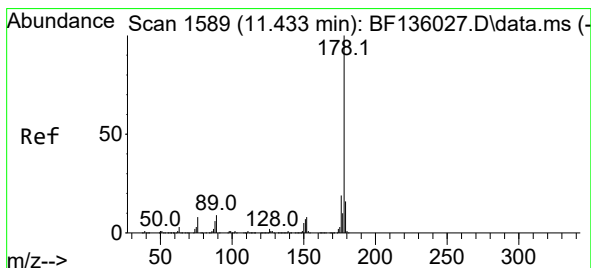
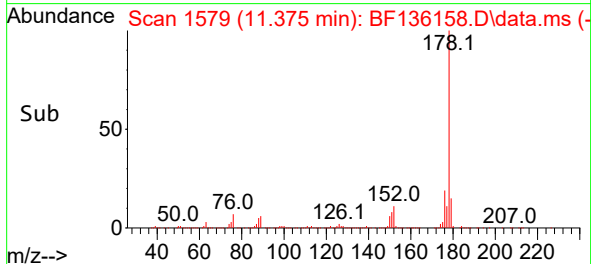
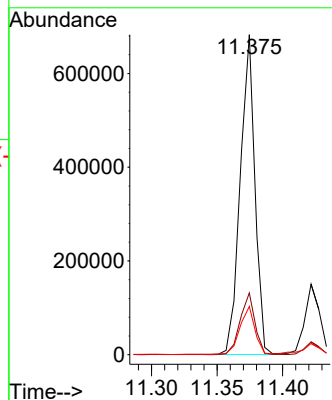
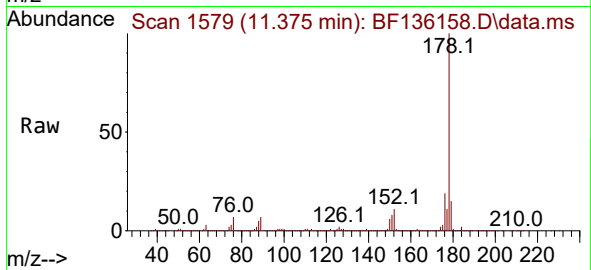




#71
Phenanthrene
Concen: 39.235 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

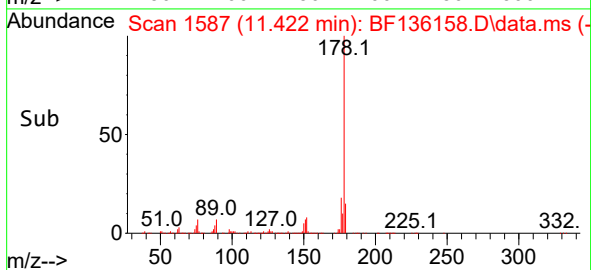
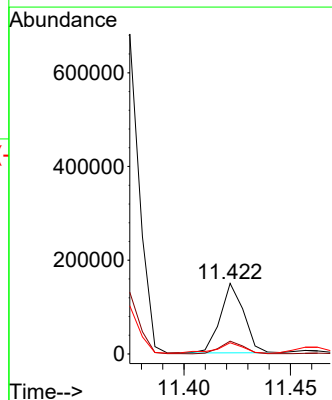
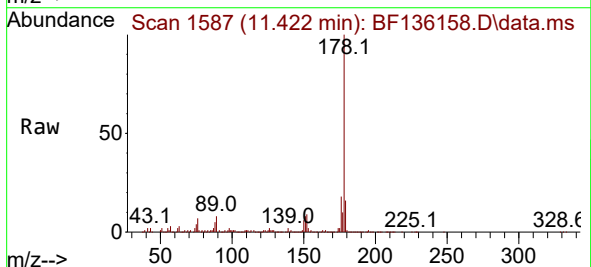
Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

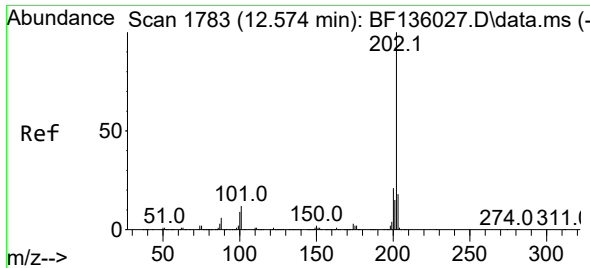
Tgt Ion:178 Resp: 535252
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.1 12.9 19.3



#72
Anthracene
Concen: 8.156 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion:178 Resp: 114010
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 16.0 12.6 18.8

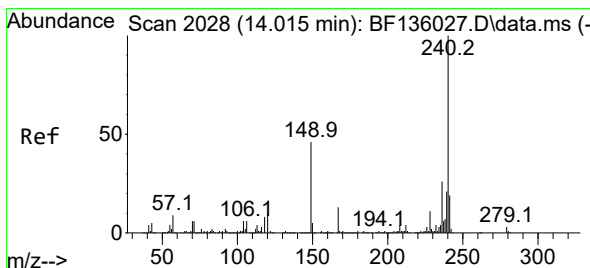
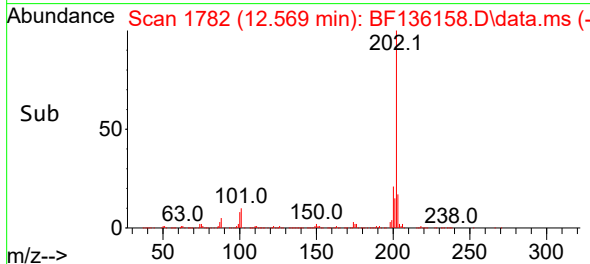
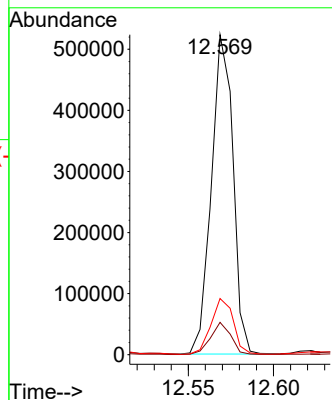
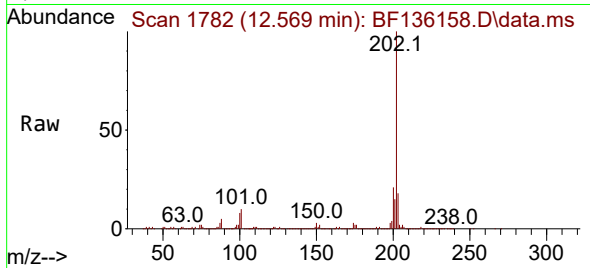




#75
Fluoranthene
Concen: 32.936 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

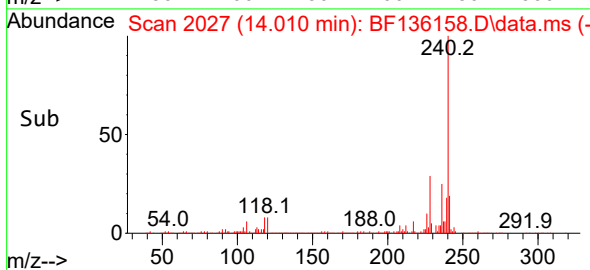
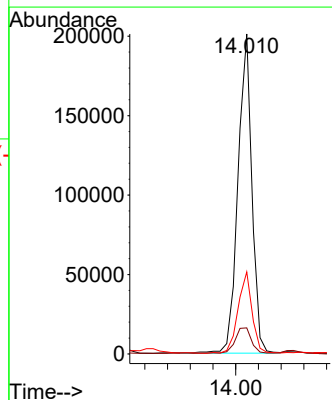
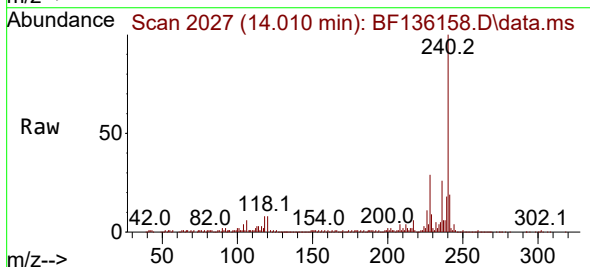
Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

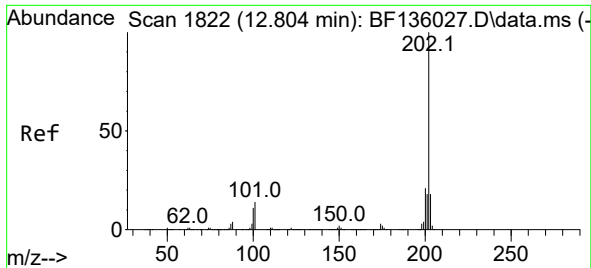
Tgt Ion:202 Resp: 461588
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.8
203 17.6 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion:240 Resp: 170560
Ion Ratio Lower Upper
240 100
120 8.1 7.6 11.4
236 25.7 20.6 31.0

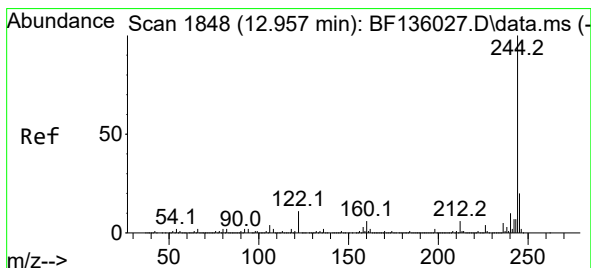
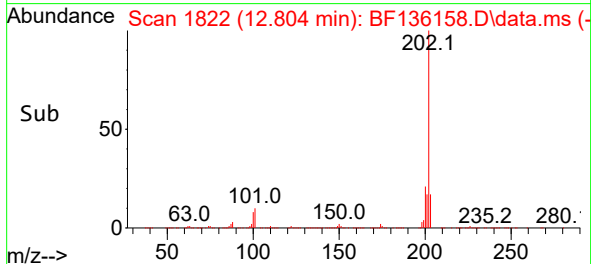
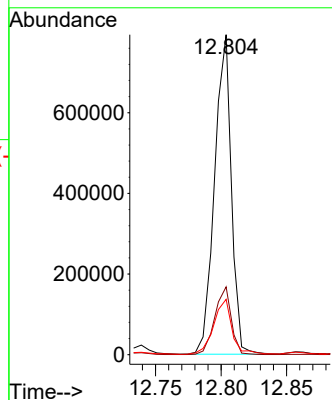
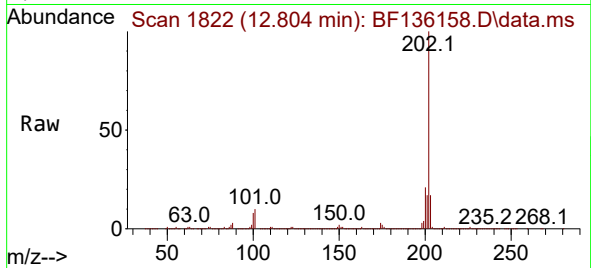




#78
Pyrene
Concen: 46.803 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

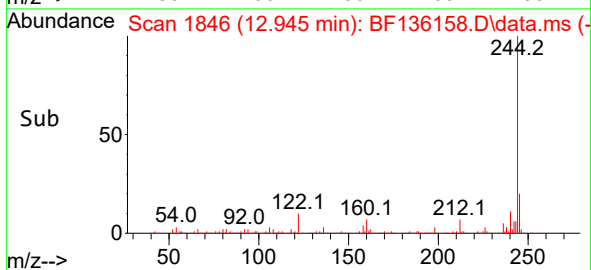
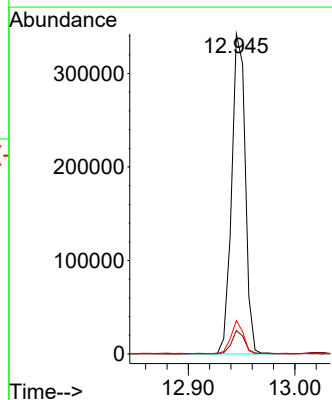
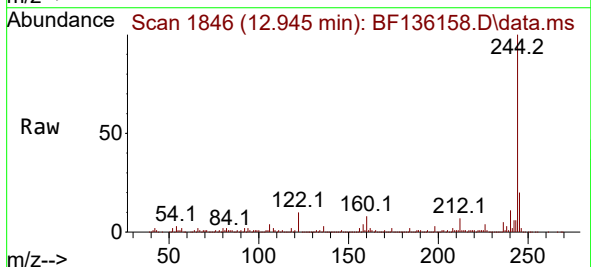
Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

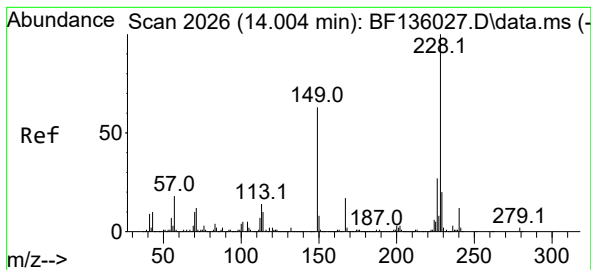
Tgt Ion:202 Resp: 703798
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.3 14.4 21.6



#79
Terphenyl-d14
Concen: 27.808 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion:244 Resp: 305204
Ion Ratio Lower Upper
244 100
212 7.3 5.1 7.7
122 10.4 8.6 12.8





#81

Benzo(a)anthracene

Concen: 26.672 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.035 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

L-1(65FT)(5-10)

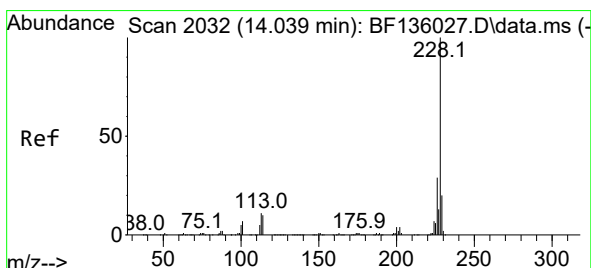
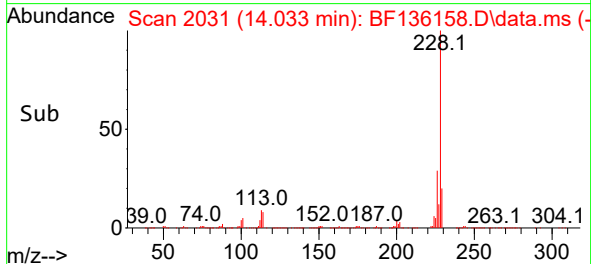
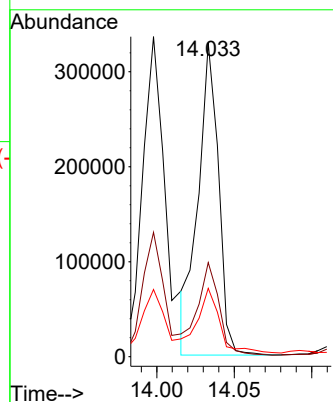
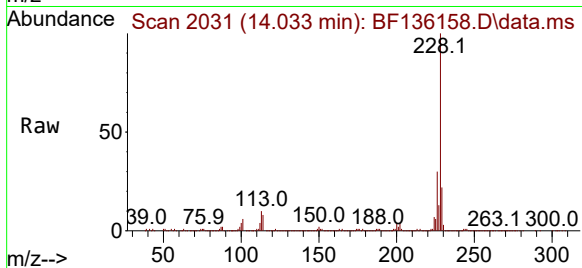
Tgt Ion:228 Resp: 301173

Ion Ratio Lower Upper

228 100

226 30.0 21.5 32.3

229 21.8 15.8 23.6



#83

Chrysene

Concen: 27.083 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

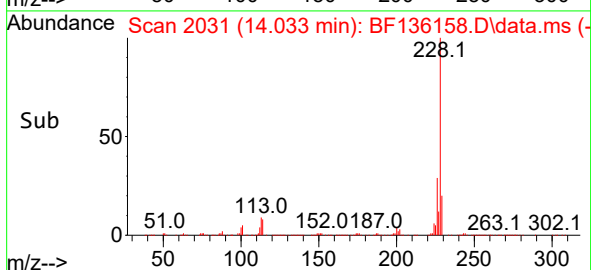
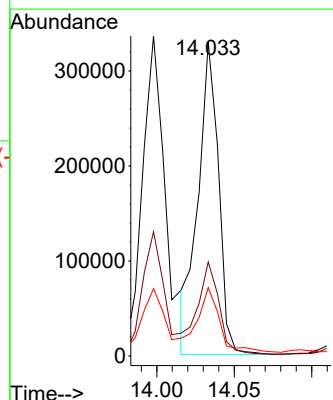
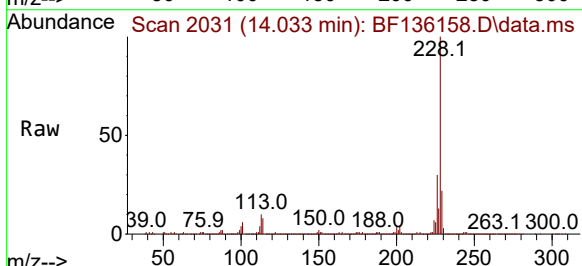
Tgt Ion:228 Resp: 301173

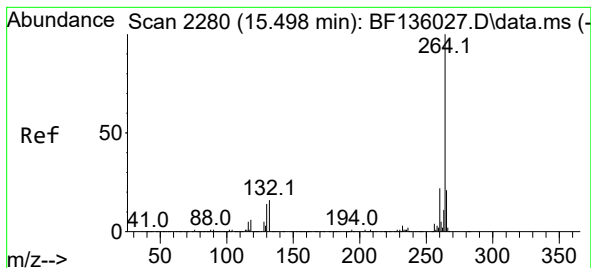
Ion Ratio Lower Upper

228 100

226 30.0 23.5 35.3

229 21.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

L-1(65FT)(5-10)

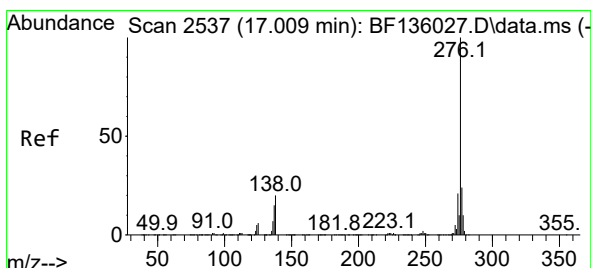
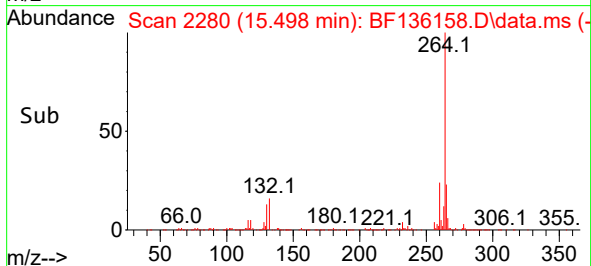
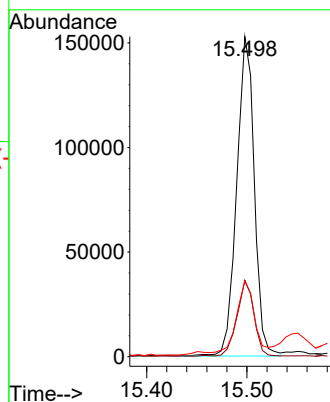
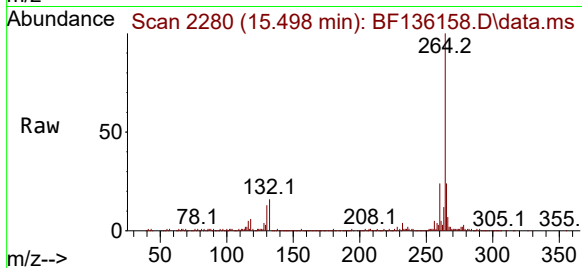
Tgt Ion:264 Resp: 186919

Ion Ratio Lower Upper

264 100

260 23.9 17.9 26.9

265 23.6 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.838 ng

RT: 17.004 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

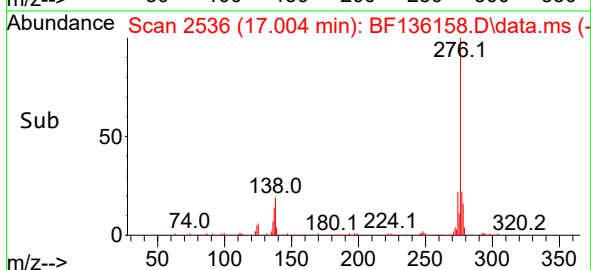
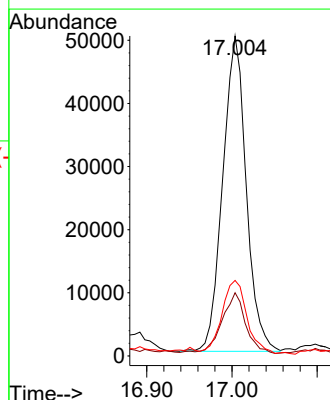
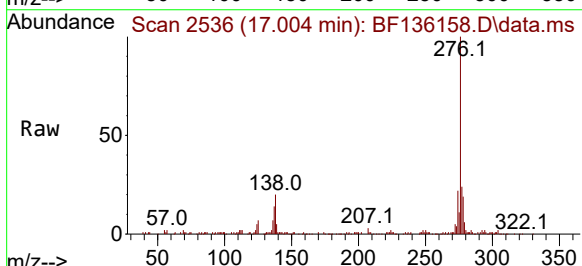
Tgt Ion:276 Resp: 95755

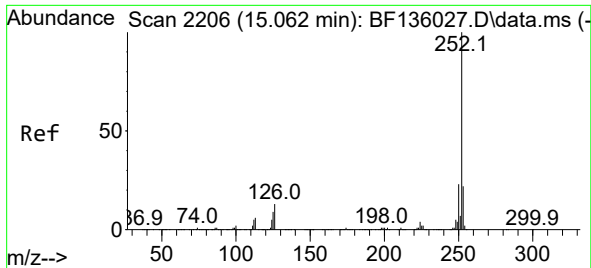
Ion Ratio Lower Upper

276 100

138 19.5 20.4 30.6#

277 25.3 20.2 30.2

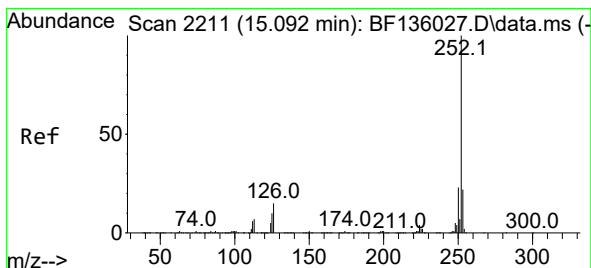
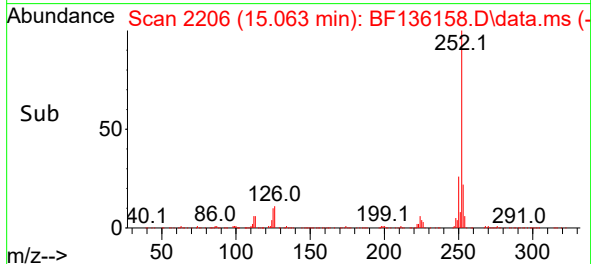
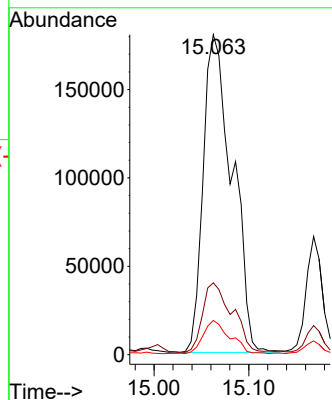
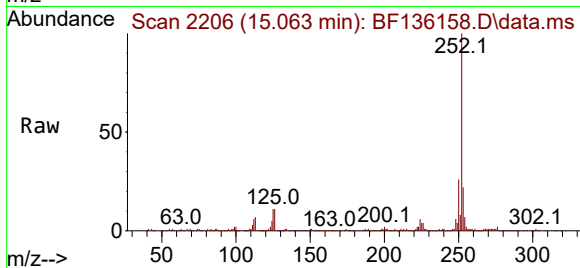




#88
Benzo(b)fluoranthene
Concen: 34.759 ng
RT: 15.063 min Scan# 2206
Delta R.T. 0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

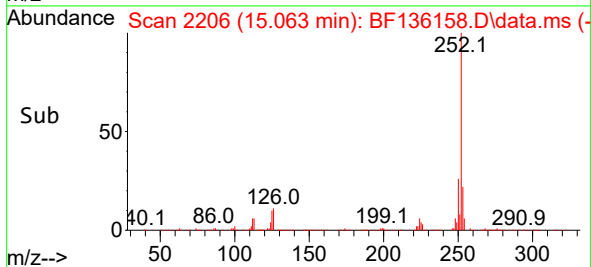
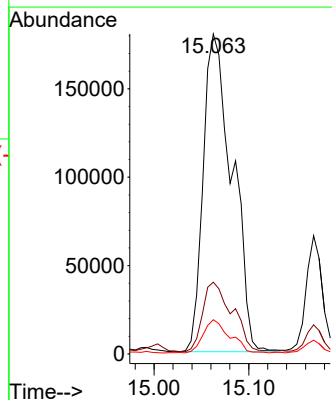
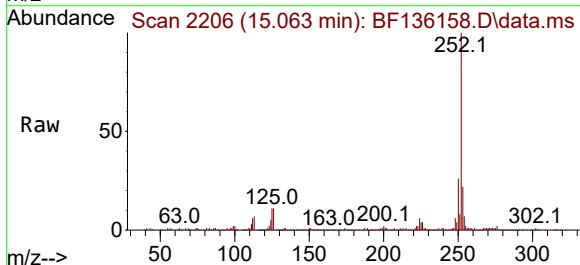
Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

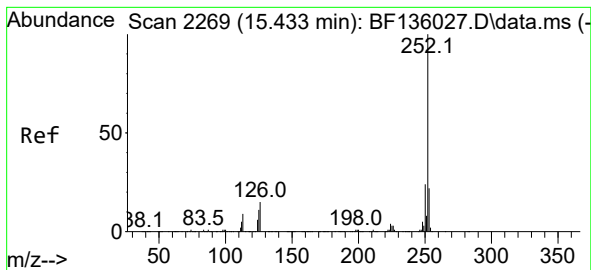
Tgt Ion:252 Resp: 384449
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 10.7 7.5 11.3



#89
Benzo(k)fluoranthene
Concen: 35.130 ng
RT: 15.063 min Scan# 2206
Delta R.T. -0.023 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion:252 Resp: 384449
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.7 8.0 12.0





#90

Benzo(a)pyrene

Concen: 27.991 ng

RT: 15.433 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

L-1(65FT)(5-10)

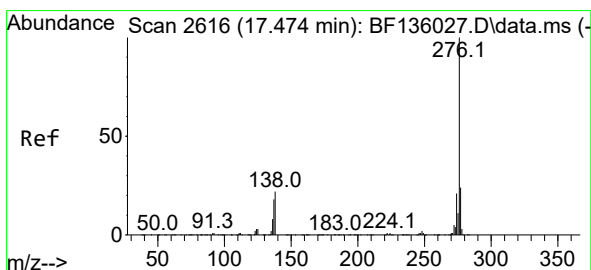
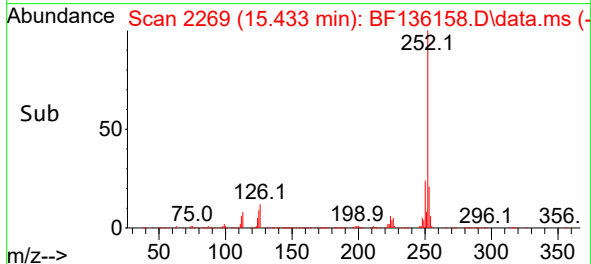
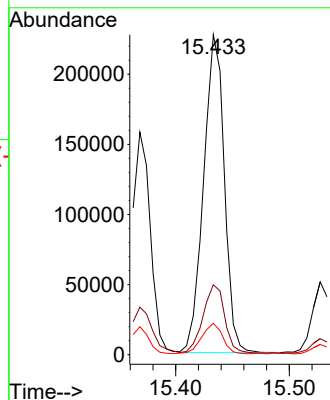
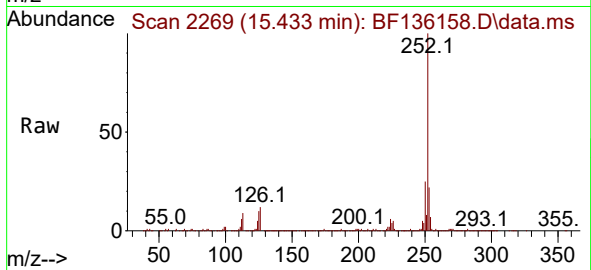
Tgt Ion:252 Resp: 287656

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 9.8 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 5.089 ng

RT: 17.704 min Scan# 2655

Delta R.T. 0.230 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

Tgt Ion:276 Resp: 26605

Ion Ratio Lower Upper

276 100

277 28.0 19.0 28.4

138 21.7 17.4 26.2

